CUMULATIVE INDEX

Psychopharmacology Bulletin

A. Contents Index

Vol. 22, No. 1—Annual NCDEU Meeting (1985)—Abridged Proceedings

3 The ECDEU-NCDEU Program—Jonathan O. Cole

Re-Updates: New Perspectives on Long-Standing Issues—

- 7 Problems With and Promises of Monoamine Oxidase Inhibitors—Donald F. Klein and Frederic M. Quitkin
- 12 New Perspectives on Long-Standing Issues: The Monoamine Oxidase Inhibitors— Donald S. Robinson
- 16 Discussion on the Monoamine Oxidase Inhibitors—Burtrum C. Schiele
- 19 Use of Placebo in Clinical Trials—Karl Rickels
- 25 Scientific and Ethical Considerations in the Use of Placebo Controls in Clinical Trials in Psychopharmacology —Gerald L. Klerman
- 30 The Placebo Control in Clinical Trials (A View From the FDA)—Paul Leber
- 33 Pharmacological Treatments of Schizophrenia—George M. Simpson
- 36 Research Methodology and the Pharmacotherapy of the Chronic Schizophrenias—Thomas A. Ban, William Guy, and W.H. Wilson
- 42 Discussion of Dr. George Simpson's Paper on Pharmacological Treatments of Schizophrenia—Solomon C. Goldberg

Multicenter International Clinical Trials-

45 Introduction—Thomas A. Ban and Jerome Levine

- 47 The AMDP System in International Clinical Trials—B. Woggon, M. Linden, H. Beckmann, E. Krebs, B. Küfferle, B. Müller-Oerlinghausen, B. Pflug, and H.W. Schied
- 52 Use of a Standardized Documentation System (BLIPS/BDP) in the Conduct of a Multicenter International Trial Comparing Fluvoxamine, Imipramine, and Placebo— Giovanni B. Cassano, Luciano Conti, Gabriele Massimetti, Francesco Mengali, Jenifer S. Waekelin, and Jerome Levine
- 59 The Design and Conduct of the Upjohn Cross-National Collaborative Panic Study—Gerald L. Klerman, James H. Coleman, and Robert P. Purpura

Microcomputers in Clinical Psychopharmacology

- 65 Why a Statistical Package on a Micro?—
 MaryAnn Hill
- 73 Microcomputerized Testing of Drug Effects on Divided Attention—Joe E. Thornton, Joy L. Taylor, Elizabeth L. Gibson, Terry P. Miller, and Jared R. Tinklenberg

Benzodiazepines-New Indications-

- 77 The Use of Benzodiazepines for Psychotic Disorders: A Literature Review and Preliminary Clinical Findings—George W. Arana, Marjorie L. Ornsteen, Fred Kanter, H.L. Friedman, David J. Greenblatt, and Richard I. Shader
- 88 New Strategies for the Treatment of Alcohol Withdrawal—E.M. Sellers and C.A. Naranjo
- 93 Benzodiazepines for Treatment of Panic Attacks: A New Look—Karl Rickels and Edward E. Schweizer

Cholinergic Mechanisms in the Treatment of Geriatric Disorders—

- 101 Physostigmine in Patients With Alzheimer's Disease—Michael Davidson, Richard C. Mohs, Eric Hollander, Bonnie M. Davis, Theresa Ryan, Thomas B. Horvath, and Kenneth L. Davis
- 106 Intercranial Drug Administration in Alzheimer's Disease—Robert E. Harbaugh
- 110 The Cholinergic Hypothesis of Memory Dysfunction in Alzheimer's Disease—
 Revisited—Nunzio Pomara and Michael Stanley

Cholecystokinin: A Neuropeptide in the Treatment of Schizophrenia—

- 119 Ceruletide for Schizophrenia: A Review— Jeffrey A. Mattes, William Hom, and Joseph M. Rochford
- 123 Clinical Evaluation of Ceruletide in Schizophrenia: A Multi-Institutional Cooperative Double-Blind Controlled Study—Hitoshi Itoh, Yasuo Shimazono, Yukio Kawakita, Yoshio Kudo, Yorio Satoh, and Ryo Takahashi
- 129 Cholecystokinin: A Neuropeptide in the Treatment of Schizophrenia—Carol A. Tamminga, Robert L. Littman, and Larry D. Alphs

Fenfluramine Therapy for Autism: Promise and Precaution—

- 133 Fenfluramine Treatment of Autism:
 UCLA Collaborative Study of 81 Patients
 at Nine Medical Centers—Edward R.
 Ritvo, B.J. Freeman, Arthur Yuwiler,
 Edward Geller, Phillip Schroth, Alice
 Yokota, Anne Mason-Brothers, Gerald J.
 August, William Klykylo, Bennett
 Leventhal, Kay Lewis, Leonard Piggott,
 George Realmuto, E. Gene Stubbs, and
 Richard Umansky
- 141 Short-Term Efficacy and Safety of Fenfluramine in Hospitalized Preschool-Age Autistic Children: An Open Study—Magda Campbell, Stephen I. Deutsch, Richard Perry, Barbara B. Wolsky, and Michael Palij

- 148 Fenfluramine: Neurotoxicity—Charles R. Schuster, Marilyn Lewis, and Lewis S. Seiden
- 152 Fenfluramine Treatment of Childhood Attention Deficit Disorder With Hyperactivity: A Preliminary Report—Maureen Donnelly, Judith L. Rapoport, and Deborah R. Ismond
- 155 The Effects of Fenfluramine on Suicidal Behavior—Elaine Meyendorff, Anil Jain, Lil Träskman-Bendz, Barbara Stanley, and Michael Stanley

Free Communications—Session A—

- 161 The Relationship of Antiobsessional and Antidepressant Effects of Tricyclic Antidepressants—Matig Mavissakalian, Samuel M. Turner, Larry Michelson, and Rolf Jacob
- 167 A Comparison of Alprazolam and Imipramine in the Treatment of Agoraphobia and Panic Disorder—Ross Rizley, Richard J. Kahn, Douglas M. McNair, and Laura M. Frankenthaler
- 173 Taper Withdrawal Studies With Alprazolam in Patients With Panic Disorder and Agoraphobia—John C. Pecknold and Richard P. Swinson
- 177 Amitriptyline and Haloperidol in Unstable and Schizotypal Borderline Disorders—
 Paul H. Soloff, Anselm George, Swami
 Nathan, Patricia M. Schulz, Richard F.
 Ulrich, and James M. Perel
- 183 Open Trial of Buspirone in the Treatment of Major Depressive Disorder—Edward E. Schweizer, Jay Amsterdam, Karl Rickels, Myron Kaplan, and Marian Droba
- 186 A Review of Controlled Studies of Adinazolam Mesylate in Patients With Major Depressive Disorder—John P. Feighner
- 192 Chronic Depression: Demographic and Clinical Characteristics—James H. Kocsis, Carlyle Voss, J. John Mann, and Allen Frances

- 196 Self-Rating of Personality Characteristics and Their Relationship to Treatment Response in Recurrent Unipolar Depressives: A Pilot Study—Ellen Frank, David J. Kupfer, David B. Jarrett, and Miriam Jacob
- 200 The Suicide Assessment Scale: A Scale Evaluating Change in Suicidal Behavior—Barbara Stanley, Lil Träskman-Bendz, and Michael Stanley
- 206 A Retrospective Clinical Analysis of the Overall-Rhoades Classification of Hamilton Depression Scale Profiles—Robert H. Lenox, Lelon A. Weaver, James E. Shipley, and Stephen Cohen
- 214 Understanding the Response Lag to Tricyclics: I. Application of Pulse-Loading Regimens With Intravenous Clomipramine—Bruce G. Pollock, James M. Perel, Michael Shostak, Seymour Antelman, Barbara Brandom, and David J. Kupfer
- 220 Pharmacology of Combined Antidepressant/H₂-Blocking Drug Therapy—Stephen H. Curry, C. Lindsay DeVane, and M. Michael Wolfe

Free Communications—Session B—

- 223 Methylphenidate: Rate-Dependent Effects on Hyperactivity—Mark D. Rapport and George J. DuPaul
- 229 The Therapeutic Effect of Clonidine in Attention Deficit Disorder with Hyperactivity: A Comparison With Placebo and Methylphenidate—Robert D. Hunt, Ruud B. Minderaa, and Donald J. Cohen
- 237 The Use of MK-801, A Novel Sympathomimetic, in Adults With Attention Deficit Disorder, Residual Type—Fred W. Reimherr, David R. Wood, and Paul H. Wender
- 243 The Prevalence of Tardive Dyskinesia in a Mentally Retarded Population—Mary Ann Richardson, Gary Haugland, Raymond Pass, and Thomas J. Craig

- 250 Neuroleptic-Induced Tardive Dyskinesia and Parkinsonism: Changes During Several Years of Continuing Treatment—Daniel E. Casey, Uffe J. Povlsen, Birgit Meidahl, and Jes Gerlach
- 254 Integrating Incidence and Prevalence of Tardive Dyskinesia—John M. Kane, Margaret Woerner, Michael Borenstein, James Wegner, and Jeffrey Lieberman
- 259 A Five-Year Follow-Up Study of Tardive Dyskinesia—Guy Chouinard, Lawrence Annable, Pierre Mercier, and Andree Ross-Chouinard
- 264 Plasma Fluphenazine Levels in Patients Receiving Two Doses of Fluphenazine Decanoate—Stephen R. Marder, John W. Hubbard, Theodore Van Putten, Edward M. Hawes, Gordon McKay, Jim Mintz, Philip R.A. May, and Kamal K. Midha
- 267 An Early Phase II Clinical Trial of Remoxipride in Schizophrenia With Measurement of Plasma Neuroleptic Activity—Guy Chouinard and L. Turnier
- 272 Measuring Adverse Drug Reactions in a Postmarketing Surveillance System—
 Seymour Fisher, Stephen G. Bryant, and Ronica M. Kluge
- 278 Estazolam in the Treatment of Insomnia—Roberto A. Dominguez, Burton J. Goldstein, Alan F. Jacobson, and Richard M. Steinbook

NCDEU Workshop/Microcomputer Interest Group—

- 281 Microcomputer Database Management Systems Concepts—David Robert Gastfriend
- 287 SAFTEE: Data System for Side-Effect Assessment Scale—Dean J. Clyde
- 288 Microprocessor-Based Assessment of Attention Deficit Disorders (ADD)—
 Michael Gordon
- 291 A Microcomputer-Based Psychophysiology Data Acquisition and Analysis System— C. Keith Conners, Roy Clymer, and Robert S. Sherrick

- 297 A Brain Function Diagnostic and Study
 Unit for Psychotropic Drug Development
 and Psychopharmacology Research—
 Turan M. Itil, Donald M. Shapiro, Emin
 Eralp, Ahmet Akman, and Kurt Z. Itil
- 301 BMDPC: BMDP Statistical Software for Microcomputers—MaryAnn Hill
- 307 Communications: Microcomputer/ Mainframe Interfacing—Pierre Mercier
- 311 Expert Systems in Psychiatry—Michael Feinberg and Robert K. Lindsay
- 317 Cumulative Index—Psychopharmacology Bulletin—1985—

Contents Index

Authors Index

B-1 Psychopharmacology—A Recurring Bibliography—

Physiological and Performance Responses to

Diazepam: Two Types of Effects-Rudolf

Hoehn-Saric and Daniel R. McLeod

487

Patients' Attitudes Toward ECT-

Christopher Freeman

Vol. 22, No. 2-1986

	Report of the NIMH-NIH Consensus Development Conference on Electrocon- vulsive Therapy—	343	In the Pipeline—George M. Simpson
			Strategies for Analyzing Side Effect Data from SAFTEE—
445	Introduction—Jack Blaine and Susan M. Clark		Assessment of Side Effects in Clinical Trials— Jerome Levine and Nina R. Schooler
	Statement of the Consensus Development Panel		
	Abstracts of Presentations to the Panel and Conference—	382	
455	The Use of Somatic Treatments for Psychiatric Illnesses—Gerald L. Klerman		
457	Convulsive Therapy: How It Evolved—Max Fink	389	Side Effect Assessment With SAFTEE: Pilot Study of the Instrument—Judith Godwin Rabkin and Jeffrey S. Markowitz
459	ECT: The Historical, Social, and Professional Sources of the Controversy—David J. Rothman	397	•
463	Utilization of ECT in U.S. Psychiatric Facilities, 1975 to 1980—James W. Thompson		
465	Efficacy in Depression: Controlled Trials— Sydney Brandon	402	Side Effects Data Analysis—Philip W. Lavori
468	Efficacy in Depression: ECT Versus Anti- depressants—Jan Fawcett and William Scheftner		Issues in the Long-Term Use of Benzodiazepines Workshop—
		405	Introduction—Karl Rickels and Allen Raskin
469	Efficacy of ECT in Schizophrenia, Mania, and Other Disorders—Joyce G. Small	407	407 Low-Dose Dependence in Chronic Benzo- diazepine Users: A Preliminary Report on 119 Patients—Karl Rickels, W. George Case, Edward E. Schweizer, Charlotte Swenson, and Reita B. Fridman
472	ECT: Possible Mechanisms of Action— Bernard Lerer		
475	Systemic Effects of ECT-Trevor R.P. Price	416	Long-Term Administration of Benzodi-
476	Neuropathology and Cognitive Dysfunction from ECT—Peter R. Breggin	110	azepines: Pharmacokinetic versus Pharmacodynamic Tolerance—David J. Greenblatt and Richard I. Shader 424 The Behavioral Effects of Benzodiazepines Following Long-Term Use—Irwin Lucki and Karl Rickels 434 A Survey of Diazepam Patients—David Haskell, Jonathan O. Cole, Susan Schniebolk, and Bernard Lieberman
479	Quantitative Neuropathology in Electrically Induced Generalized Convulsions— Agnete M. Dam	424	
482	Acute Cognitive Side Effects of ECT— Harold A. Sackeim	434	
484	The Question of Long-Term Effects—Larry R. Squire	101	
1	14 Squite	100	Di 1.1.1.1.1.1.0.0

439

- 490 Legal Parameters of Informed Consent for ECT Administered to Mentally Disabled Persons—John Parry
- 494 Data on Informed Consent for ECT— Loren H. Roth
- 495 Clinical Strategies in Choice and Timing of ECT—Richard Abrams
- 497 General Technique of ECT—Ferris N. Pitts, Jr.
- 499 Electrical Dosage, Stimulus Parameters, and Electrode Placement—Richard D. Weiner

 Articles—
- 503 Major Depression and Panic Disorder:
 Diagnostic and Neurobiological Relationships—Dennis S. Charney, George R.
 Heninger, Lawrence H. Price, and Alan Breier

- 512 The Role of the Locus Coeruleus—Limbic Noradrenergic Transmission in the Action of Antidepressant Drugs—Wojciech Kostowski, Adam Plaznik, and Wojciech Danysz
- 523 Eating Disorders: A Bibliography— Natalie Reatig
- 532 Attention Deficit Disorders: A Bibliography— Natalie Reatig
- 543 Psychobiological Markers for Schizophrenia: State of the Art and Future Perspectives— Joseph Zubin (Corrected and reprinted from Vol. 21, No. 3, 1985 of the Bulletin)
- B1 Psychopharmacology—A Recurring Bibliography—

Vol. 22, No. 3—24th Annual Meeting of the ACNP—Abridged Proceedings

24th Annual Meeting of the ACNP-1985—Abridged Proceedings—

Strategies for Advance in Maintenance Therapies

- 553 Maintenance Phenelzine Treatment of Major Depression: An Interim Report—Donald S. Robinson, Allen Kayser, Binni Bennett, Elizabeth Devereaux, Sidney C. Lerfald, Doris Albright, Desmonde Laux, and John Corcella
- 558 Psychotherapeutic Approaches to Treatment of Recurrent Unipolar Depression: Work in Progress—Ellen Frank and David J. Kupfer

Peripheral Hormones: A Window on the Central MA?—

- The Pitfalls of Serotonin Precursors as Challengers in Hormonal Probes of Central Serotonin Activity—Herman M. van Praag, Carmen Lemus, and Rene Kahn
- 571 The Desipramine Cortisol Test—A
 Selective Noradrenergic Challenge
 (Relationship to Other Cortisol Tests
 in Depressives and Normals)—Gregory
 M. Asnis, Carmen Z. Lemus, and Uriel
 Halbreich

Etiological Theories of Depression: Experimental Paradigms in Animals—

- 579 A Developmental Perspective on Recurrent Mood Disorders: A Review of Studies in Man—Hagop S. Akiskal
- 587 Developmental Theories of Depression in Nonhuman Primates—Gary W. Kraemer

Biochemical and Functional Studies of D-1 Dopamine Receptors—

593 Multiple Forms of the D₁ Dopamine Receptor: Its Linkage to Adenylate Cyclase and Psychopharmacological Effects—Richard B. Mailman, David W. Schulz, Clinton D. Kilts, Mark H. Lewis, Hans Rollema, and Steven Wyrick

- 599 Structural Analogs of SCH 23390 as Discriminators of Dopamine Receptor Subtypes: Behavioral Interactions Between D-1 and D-2 Agonists and Antagonists—Kathy M. O'Boyle, Anthony G. Molloy, Marcellina Mashurano, and John L. Waddington
- 605 Biochemical and Behavioral Studies of D₁ Dopamine Receptors Utilizing SCH23390—Ellen J. Hess and Ian Creese

Mixed Mania: Diagnosis and Treatment—

613 Sources of Lithium Resistance in Mixed Mania—Jonathan M. Himmelhoch and Marc E. Garfinkel

Expressed Emotion of Relatives, Maintenance Drug Treatment, and Relapse in Schizophrenia and Mania—

- 621 Expressed Emotion, Maintenance Pharmacotherapy, and Schizophrenic Relapse Among Mexican-Americans—Janis H. Jenkins, Marvin Karno, Aurora de la Selva, Felipe Santana, Cynthia Telles, Steven Lopez, and Jim Mintz
- 628 Expressed Emotion, Affective Style, Lithium Compliance, and Relapse in Recent Onset Mania—David J. Miklowitz, Michael J. Goldstein, Keith H. Nuechterlein, Karen S. Snyder, and Jeri A. Doane
- 633 Expressed Emotion, Fixed-Dose Fluphenazine Decanoate Maintenance, and Relapse in Recent-Onset Schizophrenia—Keith H. Nuechterlein, Karen S. Snyder, Michael E. Dawson, Sandra

Rappe, Michael Gitlin, and David Fogelson

The Benzodiazepine/GABA Receptor: From Molecular Structure to Function in Man—

- 641 Molecular Aspects of Benzodiazepine Receptor Function—Paul Sweetnam, Peter Gallombardo, and John Tallman Neurochemical Correlates of Suicide—
- 647 Postmortem Serotonergic and Adrenergic Receptor Binding to Frontal Cortex: Correlations With Suicide—
 J. John Mann, P. Anne McBride, and Michael Stanley
- 650 Suicide and Adrenocortical Function—James H. Kocsis, Sara Kennedy, Richard P. Brown, J. John Mann, and Barbara Mason
- 656 Suicidal Potential in Depression: Focus on CSF Monoamine and Purine Metabolites—Hans Ågren and Frank Niklasson
- 661 Monoamines, Glucose Metabolism, Suicidal and Aggressive Behaviors—Alec Roy, Matti Virkkunen, Sally Guthrie, Russell Poland, and Markku Linnoila
- 666 Genetic Factors in Suicide—Alec Roy
- 669 (Auto)Aggression and CSF 5-HIAA in Depression and Schizophrenia— Herman M. van Praag

Acquired Immunodeficiency Syndrome (AIDS): Neuropsychologic and Psychoimmunologic Aspects—

- 675 Introduction—T. Peter Bridge and Donald I. Macdonald
- 678 Psychosocial Aspect of AIDS Risk—
 David G. Ostrow, Jill Joseph, Andrew
 Monjan, Ronald Kessler, Carol Emmons,
 John Phair, Robin Fox, Lawrence Kingsley, Janice Dudley, Joan S. Chmiel, and
 Mark Van Raden
- 684 Neuropsychiatric Aspects of AIDS— Russell T. Joffe, David R. Rubinow, Kathleen Squillace, Clifford H. Lane, Connie C. Duncan, and Anthony S. Fauci

- 689 Localization of the T4 Antigen/AIDS Virus Receptor in Monkey and Rat Brain: Prominence in Cortical Regions—Joanna M. Hill, William L. Farrar, and Candace B. Pert
- 695 Methionine Enkephalin: Enhancement of T-Cells in Patients With Kaposi's Sarcoma (AIDS)—N.P. Plotnikoff, J. Wybran, N.F. Nimeh, and G.C. Miller

Molecular Biology: Relevance to Neuropsychopharmacology and Psychiatry—

- 699 Introduction—Samuel H. Barondes
- 701 Identifying Neuropeptides by Gene Cloning—Floyd E. Bloom
- 708 Use of Gene Transfer Techniques to Study Neuropeptide Gene Regulation—Edward Herbert, Audrey F. Seasholtz, and Michael Comb

Neuropsychopharmacology of Alcohol and Drug Abuse—

717 Interactions of Alcohol and Drugs of Abuse—Monique C. Braude

Neuropharmacological Approaches to the Obsessive-Compulsive Syndrome—

- 723 Epidemiologic and Clinical Findings of Significance to the Design of Neuro-pharmacologic Studies of Obsessive-Compulsive Disorder—Steven A. Rasmussen and Ming T. Tsuang
- 730 A Possible Genetic Relationship Exists Between Tourette's Syndrome and Obsessive-Compulsive Disorder— David L. Pauls, James F. Leckman, Kenneth E. Towbin, Gwendolyn Zahner, and Donald J. Cohen

Problems and Promises of Post-Mortem Brain Tissue Analysis—

- 735 Role of the Serotonergic System in the Postmortem Analysis of Suicide—
 Michael Stanley, J. John Mann, and Lee S. Cohen
- 741 Aminergic Receptor Binding Correlates of Suicide: Methodological Is-

sues—J. John Mann, P. Anne McBride, and Michael Stanley

Appetite and Satiety Regulation: Pharmacological Strategies—

745 Neuropeptides as Stimulators of Feeding—John E. Morley, James E. Mitchell, and Allen S. Levine

Psychotoxic Manifestations in Amphetamine Abuse—

- 751 Acute Exacerbation of Methamphetamine Psychosis and Lasting Dopaminergic Supersensitivity—A Clinical Survey—Mitsumoto Sato
- 757 Reverse Tolerance to the Ambulation-Increasing Effect of Methamphetamine in Mice as an Animal Model of Amphetamine-Psychosis—Sakutaro Tadokoro and Hisashi Kuribara
- 763 Psychotic Manifestations in Amphetamine Abuse—Experimental Study on the Mechanism of Psychotic Recurrence—Kiyoshi Ando, Naoyuki Hironaka, and Tomoji Yanagita
- 768 Visual Perception Process in Amphetamine Psychosis and Schizophrenia—
 Takuya Kojima, Eisuke Matsushima,
 Hisayuki Iwama, Harunobu Ando,
 Hirobumi Moriya, Katsumi Ando, Ryo
 Takahashi, and Yasuo Shimazono

Membrane Lipids: From Signal Transduction to Neuropsychiatric Disease—

- 775 Changes in Receptor Stimulated Phosphoinositide Hydrolysis in Brain During Ethanol Administration, Aging, and Other Pathological Conditions—Fulton T. Crews, Rueben A. Gonzales, Reinhard Palovcik, M. Ian Phillips, Cynthia Theiss, and Mohan Raizada
- 781 "Autocannibalism" of Membrane Choline-Phospholipids: Physiology and Pathology—Jan K. Blusztajn, Pamela G. Holbrook, Michael Lakher, Mordechai Liscovitch, Jean-Claude Maire, Charlotte Mauron, U. Ingrid Richardson, Mariateresa Tacconi, and Richard J. Wurtman

Panic Disorder: Clinical Characteristics, Epidemiology, and Treatment—

- 787 The Relationship Between Panic Disorder and Agoraphobia: An Epidemiologic Perspective—Myrna M. Weissman, Philip J. Leaf, Dan G. Blazer, Jeffrey H. Boyd, and Louis Florio
- 792 Recent Developments in the Understanding and Pharmacotherapy of Panic Attacks—Michael R. Liebowitz, Abby J. Fyer, Jack Gorman, and Donald F. Klein
- 797 Possible Respiratory Abnormalities in Panic Disorder—Jack M. Gorman, Michael R. Liebowitz, Abby J. Fyer, Minna R. Fyer, and Donald F. Klein
- **802** Behavioral Conception and Treatment of Panic—David H. Barlow

Etiology and Treatment: Basic and Clinical Neuroscience Investigations—

807 Nonbenzodiazepine Anxiolytics: Insights Into Possible Mechanisms of Action—Cam P. VanderMaelen, Duncan P. Taylor, Greta Gehlbach, and Michael S. Eison

Serotonin Receptor Subtypes: Biochemical, Physiological, Behavioral, and Clinical Implications—

- 813 Analysis of 5-HT₁ Binding Site Subtypes and Potential Functional Correlates—Stephen J. Peroutka, Richard E. Heuring, Michael D. Mauk, and Jeffery D. Kocsis
- 818 Labeling of the 5-HT_{1A} Receptor Subtype—Jean C. Shih, Kenneth B. Asarch, and Richard Ransom
- 825 Substituted Phenylpiperazines as Serotonin Agonists: Structural Determinants of Potency and Interaction With Receptor Subtypes—Ray W. Fuller
- 829 Effector Systems Coupled to Serotonin Receptors in Brain: Serotonin Stimulated Phosphoinositide Hydrolysis—Elaine Sanders-Bush and P. Jeffrey Conn

837 Serotonin Receptor Subtype Agonists: Differential Effects on Sensorimotor Reactivity Measured With Acoustic Startle—Michael Davis, James V. Cassella, William H. Wren, and John H. Kehne

Influences of Pharmacologic and Psychosocial Factors on the Course of Schizophrenia—

- 845 Prediction of Relapse in Schizophrenia—Jeffrey A. Lieberman, John M. Kane, Stavros Sarantakos, Dominick Gadaletta, Margaret Woerner, Jose Alvir, and Jorge Ramos-Lorenzi
- 854 Interpersonal and Pharmacologic Treatment in Schizophrenia: A Comparative Study of New Approaches—William T. Carpenter, Jr., Douglas W. Heinrichs, and Thomas E. Hanlon
- 860 Medication, Family Psychoeducation, and Social Skills Training: First Year Relapse Results of a Controlled Study—Gerard E. Hogarty and Carol M. Anderson

Nicotine as a Psychoactive Drug: Anxiety and Pain Reduction, Arousal, and Appetite Regulation—

- 863 Introduction—Ovide F. Pomerleau
- 865 Nicotine as a Psychoactive Drug: Anxiety and Pain Reduction—Ovide F.

 Pomerleau
- 870 Nicotine: A Unique Psychoactive Drug—Arousal With Skeletal Muscle Relaxation—Edward F. Domino
- 875 Nicotine as a Psychoactive Drug: Appetite Regulation—Neil E. Grunberg
- 882 Nicotine as a Psychoactive Drug— Panel Summary—Murray E. Jarvik

Basic and Clinical Aspects of Prefrontal Cortex Physiology in Neuropsychiatry—

885 Electrophysiological Evidence Implicating Frontal Lobe Dysfunction in Schizophrenia—John M. Morihisa

Neuroleptic-Induced Psychological Supersensitivity Syndromes: Are These Syndromes Myth or Reality?—

- 891 Supersensitivity Psychosis and Tardive Dyskinesia: A Survey in Schizophrenic Outpatients—Guy Chouinard, Lawrence Annable, and Andree Ross-Chouinard
- Associations Among Plasma Prolactin Levels, Tardive Dyskinesia, and Paranoia in Treated Schizophrenics: Relevance to Supersensitivity Psychosis— John G. Csernansky, Sophia Vinogradov, Elisabeth Prosser, Jonathan Kaplan, Philip A. Berger, and Leo E. Hollister
- 900 Basic and Clinical Studies of Neuroleptic-Induced Supersensitivity Psychosis and Dyskinesia—Bruce I. Diamond and Richard L. Borison

Recent Advances in HPA Physiology and Pathophysiology (II)—

- 907 Corticotropin-Releasing Hormone— A New Tool to Investigate Hypothalamic-Pituitary-Adrenocortical Physiology in Psychiatric Patients—Florian Holsboer
- 913 Multiendocrine Assessment in the Dexamethasone Suppression Test—S. Craig Risch, David S. Janowsky, Lewis L. Judd, Christian Gillin, Mariam Mott, Jeffrey L. Rausch, and Leighton Y. Huey

Recent Advances in Biomedical Research in Schizophrenia—

- 917 Introduction—Robert O. Friedel
- 918 The Genetics of Schizophrenia: A Current Perspective—Kenneth S. Kendler
- 923 The Dopamine Hypothesis: Variations on a Theme (II)—Richard Jed Wyatt
- 928 The Combined Use of Neuroleptics and ECT in Drug Resistant Schizophrenic Patients—Robert O. Friedel

Psychotropic Drug Receptors and Brain Function: Molecular Bases to Clinical Implications (CINP/ ACNP)—

931 Lack of Serotonergic Modulation on ³H-Imipramine Binding Sites in Basal Conditions and During Prolonged Treatment With Desmethylimipramine—Nicoletta Brunello, Alessandra Cecilia Rovescalli, Marco Riva, and Giorgio Racagni

Drug Washout Effects on Clinical Studies in Depression and Schizophrenia—

937 Effects of Drug Washout on CSF Monoamine and Psychoendocrine Variables—Hans Ågren and William Z. Potter

Brain Norepinephrine and Stress: A Vertical Synthesis—

943 Behavioral Depression Following Clonidine Withdrawal: A New Animal Model of Long-Lasting Depression?— Laura J. Hoffman and Jay M. Weiss

Mechanisms of Action of Indole and Phenylalkylamine Hallucinogens—

- 951 Introduction—Richard H. Rech
- 953 Structure-Activity Relationships and Mechanism of Action of Hallucinogenic Agents Based on Drug Discrimination and Radioligand Binding Studies—Richard A. Glennon, Milt Titeler, and Richard Young
- 959 The Use of Drug Discrimination Procedures to Characterize Hallucinogenic Drug Actions—James B. Appel and Kathryn A. Cunningham
- 968 Disruption of Operant Behavior by Hallucinogenic Drugs—Richard H. Rech and David J. Mokler
- 973 Comparison of Phencyclidine and Related Substances With Various Indole, Phenethylamine, and Other Psychotomimetics—Edward F. Domino

977 Clinical Aspects of Use of Phenylalkylamine and Indolealkylamine Hallucinogens—Leo E. Hollister

The "Pros" and "Cons" of Anticholinergic Prophylaxis—

981 Anticholinergic Prophylaxis in Young Adults Treated With Neuroleptic Drugs—C. Raymond Lake, Daniel E. Casey, Joseph P. McEvoy, Samuel G. Siris, William F. Boyer, and George Simpson

Poster Sessions-Editors' Choice

- 985 The Inventory of Depressive Symptomatology: Preliminary Findings—
 A. John Rush, Donna E. Giles, Michael A. Schlesser, Carl L. Fulton, Jan Weissenburger, and Cheryl Burns
- 991 Chronic Lithium and Desmethylimipramine Modulation of Locomotor Response to Growth Hormone Releasing Factor—Cindy L. Ehlers, Alfred Lopez, and R. Ian Chaplin
- 995 Postmarketing Surveillance of Long-Term Amitriptyline Side Effects—Stephen G. Bryant, Seymour Fisher, and Ronica M. Kluge
- 999 The Patient, the Family, and Compliance With Posthospital Treatment for Affective Disorders—Gretchen L. Haas, Ira D. Glick, James H. Spencer, John F. Clarkin, Alfred B. Lewis, Marcie Good-Ellis, Joanne Peyser, Nancy DeMane, Elizabeth Harris, and Veronica Lestelle
- 1006 The Antipsychotic Drug Haloperidol Decreases Basal Ganglia Substance P, Substance K, and Preprotachykinin mRNAs—Michael J. Bannon, Jin-Moo Lee, Pierre Giraud, Alice Young, Hans-Urs Affolter, and Tom I. Bonner
- 1011 Alpha-2 Adrenergic Agonist Binding in Schizophrenic Brains—Grant N. Ko, James R. Unnerstall, Michael J. Kuhar, Richard J. Wyatt, and Joel E. Kleinman
- 1017 Dose-Dependent Increases in Rat Spontaneous Chewing Rates During

- Long-Term Administration of Haloperidol but Not Clozapine—Per Johansson, Daniel E. Casey, and Lars M. Gunne
- 1020 Identification and Testing of New Drugs for Modulating Alcohol Consumption—Mary O. Lawrin, Claudio A. Naranjo, and Edward M. Sellers
- 1026 Effects of Noon Meals, Varying in Nutrient Composition, on Plasma Amino Acids, Glucose, Insulin, and Behavior—Bonnie Spring, June Chiodo, Margarette Harden, Michael Bourgeois, Lorenz Lutherer, Debra Harner, Sherry Crowell, and Geoffrey Swope
- 1030 Mouse Strain Differences in Acquisition of Discrete Lever-Press and Shuttle Avoidance Responses, and Drug

- Effects Thereon—Hisashi Kuribara and Sakutaro Tadokoro
- 1036 Differential Erythropoietic Response to Oxiracetam in Alzheimer's Disease and Multi-Infarct Dementia: A Potential Biological Marker—Roland J. Branconnier, Eric C. Dessain, Maureen E. McNiff, Nancy E. Harto, Karen F. Spera, Richard Katz, Frank Stallone, Joseph DeVeaugh-Geiss, and Jonathan O. Cole
- 1040 Thioridazine Metabolism and Effects on Stereotyped Behavior in Mentally Retarded Patients—Mark H. Lewis, Robert A. Steer, Judith Favell, James McGimsey, Luther Clontz, Carole Trivette, Wendy Jodry, Stephen R. Schroeder, Robert C. Kanoy, and Richard B. Mailman

Vol. 22, No. 4

Methodological Issues in Treatment Research of Mental Illness in the Mentally Retarded—

- 1045 Introduction—Shervert Frazier
- 1046 Overview of Research in Psychopharmacological Treatment of the Mentally Ill/Mentally Retarded— Ronald S. Lipman
- 1055 Limiting Factors in the Use of DSM-III
 Criteria With Mentally Ill/Mentally
 Retarded Persons—Robert Sovner
- 1060 The Nature and Types of Mental Illness in the Mentally Retarded—Frank J.

 Menolascino, Andrew Levitas, and Carl
 Greiner
- 1072 Psychometric and Demographic Characteristics of the Psychopathology Instrument for Mentally Retarded Adults—Michael G. Aman, Janine E. Watson, Nirbhay N. Singh, Sarah H. Turbott, and Catherine P. Wilsher
- 1077 Components of the Design of Psychopharmacology Studies—Barbara Geller
- 1081 Treatment Outcome Research for Depression in Mentally Retarded Children and Youth: Methodological Issues—Iohnny L. Matson
- 1086 Summary: Challenges for Research— Eleanor D. Dibble

Neuropeptides and Psychoneuroimmunology—

- 1089 Neuropeptides as Modulators of Immune Function—John E. Morley and Neil Kay
- 1093 Life Events, Depression, and Natural Killer Cell Activity—Michael Irwin, Marcia Daniels, Eda T. Bloom, and Herbert Weiner
- 1097 Methionine Enkephalin:
 Immunomodulator in Normal
 Volunteers (in Vivo)—Nicholas P.
 Plotnikoff, Gerald C. Miller, Suman K.T.
 Solomon, Robert E. Faith, Larry D.
 Edwards, and Anthony J. Murgo

The Forum-

- 1101 Issues in the Diagnosis of Attention
 Deficit Disorder: A Cautionary Note on
 the Gordon Diagnostic System—Richard
 Milich, William E. Pelham, and Stephen P.
 Hinshaw
- B1 Psychopharmacology—A Recurring Bibliography—





